Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

1 - 51 (Canceled)

52. (Previously Presented) An access server capable of allowing subscribers of a communications system to gain exclusive access to a domain site associated with a virtual circuit, said access server comprising:

a memory device capable of storing a domain list table and a tunnel ID table, said domain list table including a plurality of virtual circuit identifiers and associated domain site identifiers, said tunnel ID table including a plurality of domain names and associated tunnel IDs;

an authorized domain list determiner capable of determining an authorized domain list based upon said domain list table and a domain site identifier within a PPP authentication request, said PPP authentication request received on a virtual circuit having a virtual circuit identifier;

an assessor capable of determining whether said domain site identifier within said PPP authentication request is in said domain list;

a tunnel ID determiner capable of determining a tunnel ID based upon said tunnel ID table and said domain site identifier; and

an authorizer capable of granting subscribers domain site access based upon said authorized domain list.

53. (Previously Presented) The access server of claim 52, further comprising:

a receiving interface capable of accepting said PPP session authentication request; and

a forwarding interface capable of forwarding said PPP session on a tunneling session associated with said tunnel ID.

54. (Original) The access server of claim 53 wherein said tunneling session comprises an L2TP session.

55. (Original) The access server of claim 54 wherein said virtual circuit identifier comprises a Virtual Path Identifier (VPI) / Virtual Channel Identifier (VCI).

56. (Original) The access server of claim 52 wherein said first receiving interface comprises at least one access multiplexer, each access multiplexer having a plurality of inputs for receiving a service request, each of said inputs being associated with a particular subscriber virtual circuit.

57. (Previously Presented) A method for controlling subscriber access in a network capable of establishing connections with a plurality of domain sites, comprising:

receiving an L2TP session from a subscriber using a first communication network coupled to at least one other communication network, said L2TP session optionally including a domain site identifier associated with a domain site on said at least one other communication network;

determining whether said subscriber is authorized to access said domain site based upon said domain site identifier and a list of authorized domain sites for a virtual circuit through which said L2TP session is received, said determining comprising:

issuing an authorized domain list request including a virtual circuit identifier;

receiving an authorized domain list that includes domain site identifiers of authorized domain sites for said virtual circuit identifier;

indicating said domain site is unauthorized when said domain site identifier included in said L2TP session is not in said authorized domain list;

indicating said domain site is authorized when said domain site identifier is in said authorized domain list;

issuing a tunnel ID request including said domain site identifier when said domain site is authorized;

receiving a tunnel ID; and

assigning said tunnel ID; and

authorizing subscriber access to said domain site when said domain site identifier is included in said authorized domain list, wherein said L2TP session is forwarded onto a tunnel associated with said tunnel ID when said subscriber is authorized to access said domain site.

58. (Previously Presented) The method of claim 57 wherein

said authorized domain list request is serviced by an AAA server; and

an AAA server services said tunnel ID request.

59. (Previously Presented) The method of claim 57 wherein said virtual circuit identifier comprises a VPI/VCI identifier.

60. (Previously Presented) A method for controlling subscriber access in a network capable of establishing connections with a plurality of domain sites, comprising:

receiving an L2TP session from a subscriber using a first communication network coupled to at least one other communication network, said L2TP session optionally including a domain site identifier associated with a domain site on said at least one other communication network;

determining whether said subscriber is authorized to access said domain site based upon said domain site identifier and a list of authorized domain sites for a virtual circuit through which said L2TP session is received, said determining comprising:

performing a table lookup based on a virtual circuit identifier to obtain an authorized domain list that includes domain site identifiers of authorized domain sites for said virtual circuit identifier;

indicating said domain site is unauthorized when said domain site identifier included in said L2TP session is not in said authorized domain list;

indicating said domain site is authorized when said domain site identifier included in said L2TP session is in said authorized domain list;

performing a table lookup based on said domain site identifier to obtain a tunnel ID when said domain site is authorized; and

assigning said tunnel ID; and

authorizing subscriber access to said domain site when said domain site identifier is included in said authorized domain list, wherein said L2TP session is forwarded onto a tunnel associated with said tunnel ID when said subscriber is authorized to access said domain site.

61. (Previously Presented) The method of claim 60 wherein said virtual circuit identifier comprises a VPI/VCI identifier.

62. (Previously Presented) A program storage device readable by a machine, embodying a program of instructions executable by the machine to perform a method to control subscriber access in a network capable of establishing connections with a plurality of domain sites, the method comprising:

receiving an L2TP session from a subscriber using a first communication network coupled to at least one other communication network, said L2TP session optionally including a domain site identifier associated with a domain site on said at least one other communication network;

determining whether said subscriber is authorized to access said domain site based upon said domain site identifier and a list of authorized domain sites for a virtual circuit through which said L2TP session is received, said determining comprising:

issuing an authorized domain list request including a virtual circuit identifier;

receiving an authorized domain list that includes authorized domain site for said virtual circuit identifier;

indicating said domain site is unauthorized when said domain site identifier included in said L2TP session is not in said authorized domain list;

indicating said domain site is authorized when said domain site identifier included in said L2TP session is in said authorized domain list;

issuing a tunnel ID request including said domain site identifier when said domain site is authorized;

receiving a tunnel ID; and

assigning said tunnel ID; and

authorizing subscriber access to said domain site when said domain site identifier is included in said authorized domain list, wherein said L2TP session is forwarded onto a tunnel associated with said tunnel ID when said subscriber is authorized to access said domain site.

63. (Previously Presented) The program storage device of claim 62 wherein

said authorized domain list request is serviced by an AAA server; and

an AAA server services said tunnel ID request.

64. (Previously Presented) The program storage device of claim 62 wherein said virtual circuit identifier comprises a VPI/VCI identifier.

65. (Previously Presented) A program storage device readable by a machine, embodying a program of instructions executable by the machine to perform a method to control subscriber

access in a network capable of establishing connections with a plurality of domain sites, the method comprising:

receiving an L2TP session from a subscriber using a first communication network coupled to at least one other communication network, said L2TP session optionally including a domain site identifier associated with a domain site on said at least one other communication network;

determining whether said subscriber is authorized to access said domain site based upon said domain site identifier and a list of authorized domain sites for a virtual circuit through which said L2TP session is received, said determining comprising:

performing a table lookup based on a virtual circuit identifier to obtain an authorized domain list that includes domain site identifiers of authorized domain sites for said virtual circuit identifier;

indicating said domain site is unauthorized when said domain site identifier included in said L2TP session is not in said authorized domain list;

indicating said domain site is authorized when said domain site identifier included in said L2TP session is in said authorized domain list;

performing a table lookup based on said domain site identifier to obtain a tunnel ID when said domain site is authorized; and

assigning said tunnel ID; and

authorizing subscriber access to said domain site when said domain site identifier is included in said authorized domain list, wherein said L2TP session is forwarded onto a tunnel associated with said tunnel ID when said subscriber is authorized to access said domain site.

66. (Previously Presented) The program storage device of claim 65 wherein said virtual circuit identifier comprises a VPI/VCI identifier.

67 - 74 (Canceled)